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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/851,387	05/09/2001	Mitsuhiro Nada	205002US2	3902		
22850	7590 03/16/2004		EXAMINER			
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			VERBITSKY, GAIL KAPLAN			
1940 DUKE STREET ALEXANDRIA, VA 22314		ART UNIT	PAPER NUMBER			
	,		2859			
				DATE MAILED: 03/16/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental	_
Notice of Allowability	

Application No.	Applicant(s)	
09/851,387	NADA; MITSUHIRO	
Examiner	Art Unit	
Gail Verbitsky	2859	

	LXammer	Artonic	
	Gail Verbitsky	2859	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIG	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
1. X This communication is responsive to amendment filed on 1	1/18/2003 and tel on 02/24/2004.		
2. ⊠ The allowed claim(s) is/are <u>1-14</u> .			
3. ☑ The drawings filed on <u>09 May 2003</u> are accepted by the Ex	aminer.		
 4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 			
2. Certified copies of the priority documents have			
3. ☐ Copies of the certified copies of the priority doc			tion from the
International Bureau (PCT Rule 17.2(a)).	dinente have been received in this i	lational stage applica	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the re	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") musi	t be submitted.		
(a) including changes required by the Notice of Draftsperso	on's Patent Drawing Review (PTO-	948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the O	ffice action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			back) of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F 			Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application (PT)	O_152\
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary		0-132)
	Paper No./Mail Dat	ė	
 Information Disclosure Statements (PTO-1449 or PTO/SB/06 Paper No./Mail Date 	8), 7. ⊠ Examiner's Amendn	nent/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Stateme	nt of Reasons for Allo	owance
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Supplemental

Part of Paper No./Mail Date 03012004

Art Unit: 2859

DETAILED ACTION

SUPPLEMENTAL EXAMINER'S AMENDMENT

- 1. This Examiner's amendment is to substitute the Examiner amendment (Paper # 03/03/2004).
- 2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Oblon/ Mr. Pous on February 24, 2004.

Claims 4-6 and 11-13 stay in the application and are amended as follows: see attachment to the Office action/ Examiner's Amendment.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited in the PTO-892 and not mentioned above disclose related devices and methods.

Any inquiry concerning this communication should be directed to the Examiner Verbitsky who can be reached at (571) 272-2253 Monday through Friday 8:00 to 4:00 ET.

GKV

Gail Verbitsky

Primary Patent Examiner, TC 2800

March 08, 2004

Claim 4. (Currently Amended) A method of estimating a temperature according to claim 2, wherein the first object is a stator iron core of an electric motor,

wherein the second object is a stator coil of the electric motor, and wherein the step (d) includes a process of determining the temperature increment quantity AT in accordance with a specific value substantially indicating the amount of energization of the electric motor from the relation between the predetermined temperature increment quantity ΔT and the specific value substantially indicating the amount of energization of the electric motor.

Claim 5. (Currently Amended) A method of estimating a temperature according to claim 4, wherein the step (c) includes a process of determining the temperature of the stator iron core on the basis of the temperature of a coolant for cooling the stator of the electric motor and the specific value substantially indicating the amount of energization of the electric motor.

Claim 6. (Currently Amended) A method of estimating a temperature according to claim 1, wherein the second object is a stator iron core of an electric motor,

wherein the first object is a coolant for cooling the stator of the electric motor, and wherein the step (d) includes a process of determining the temperature of the stator iron core on the basis of the coolant temperature and a specific value substantially indicating the amount of energization of the electric motor.

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Claim 11. (Currently Amended) A temperature estimation device according to claim 9, wherein the first object is a stator iron core of an electric motor,

wherein the second object is a stator coil of the electric motor, and

wherein the estimation portion determines the temperature increment quantity ΔT in accordance with a specific value substantially indicating the amount of energization of the electric motor from the relation between the predetermined temperature increment quantity ΔT and the specific value substantially indicating the amount of energization of the electric motor.

Claim 12. (Currently Amended) A temperature estimation device according to claim 11, wherein the temperature determination portion determines the temperature of the stator iron core on the basis of the temperature of a coolant for cooling the stator of the electric motor and the specific value substantially indicating the amount of energization of the electric motor.

Claim 13. (Currently Amended) A temperature estimation device according to claim 8, wherein the second object is a stator iron core of an electric motor,

wherein the first object is a coolant for cooling the stator of the electric motor, and wherein the estimation portion determines the temperature of the stator iron core on the basis of the coolant temperature and a specific value substantially indicating the amount of energization of the electric motor.

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